FIG. 1

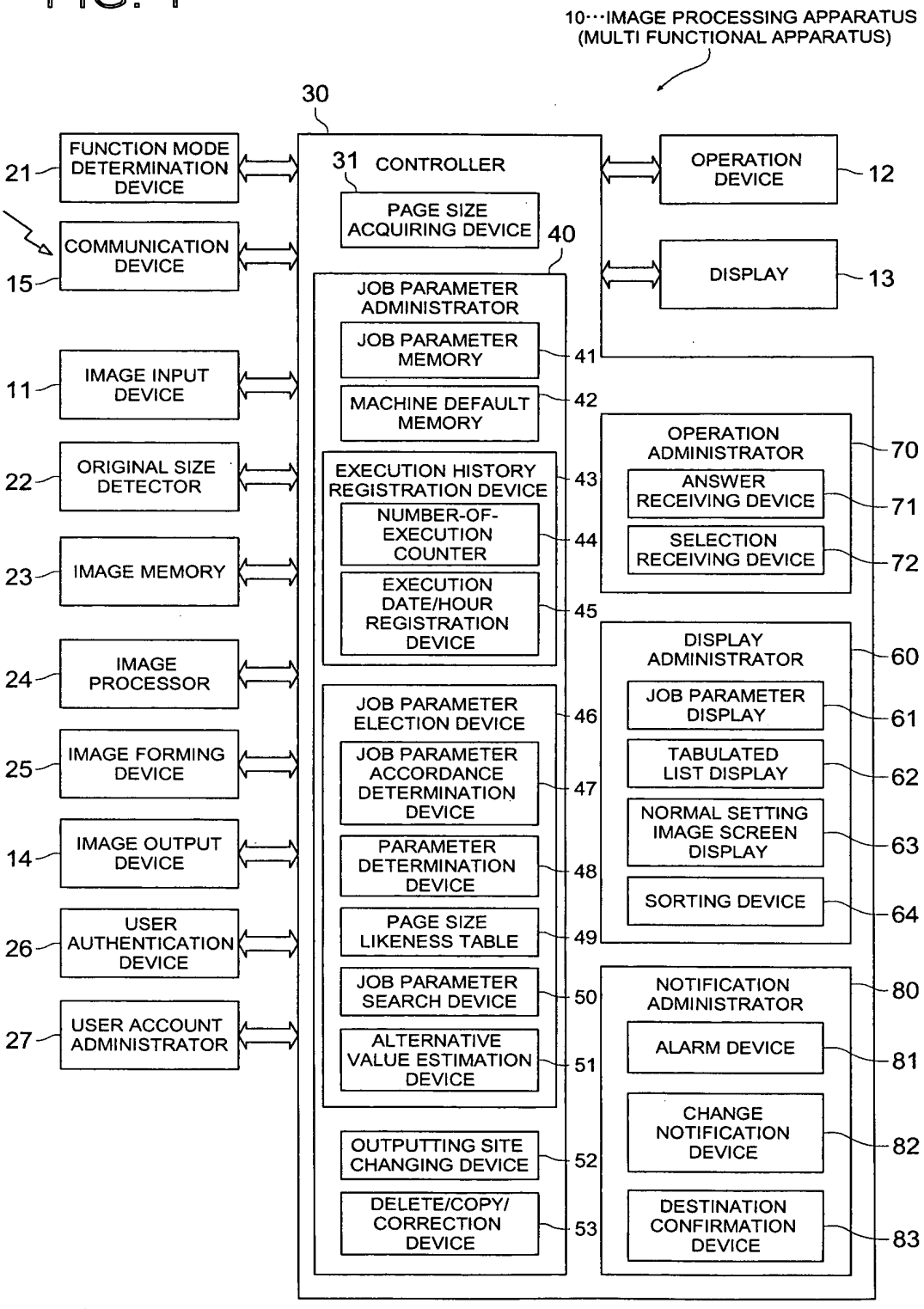

10···IMAGE PROCESSING APPARATUS
(MULTI FUNCTIONAL APPARATUS)
30
31 CONTROLLER
PAGE SIZE ACQUIRING DEVICE
40
JOB PARAMETER ADMINISTRATOR
JOB PARAMETER MEMORY
41
MACHINE DEFAULT MEMORY
42
EXECUTION HISTORY REGISTRATION DEVICE
43
NUMBER-OF-EXECUTION COUNTER
44
EXECUTION DATE/HOUR REGISTRATION DEVICE
45
JOB PARAMETER ELECTION DEVICE
46
JOB PARAMETER ACCORDANCE DETERMINATION DEVICE
47
PARAMETER DETERMINATION DEVICE
48
PAGE SIZE LIKENESS TABLE
49
JOB PARAMETER SEARCH DEVICE
50
ALTERNATIVE VALUE ESTIMATION DEVICE
51
OUTPUTTING SITE CHANGING DEVICE
52
DELETE/COPY/CORRECTION DEVICE
53
OPERATION DEVICE
12
DISPLAY
13
OPERATION ADMINISTRATOR
70
ANSWER RECEIVING DEVICE
71
SELECTION RECEIVING DEVICE
72
DISPLAY ADMINISTRATOR
60
JOB PARAMETER DISPLAY
61
TABULATED LIST DISPLAY
62
NORMAL SETTING IMAGE SCREEN DISPLAY
63
SORTING DEVICE
64
NOTIFICATION ADMINISTRATOR
80
ALARM DEVICE
81
CHANGE NOTIFICATION DEVICE
82
DESTINATION CONFIRMATION DEVICE
83
21 FUNCTION MODE DETERMINATION DEVICE
15 COMMUNICATION DEVICE
11 IMAGE INPUT DEVICE
22 ORIGINAL SIZE DETECTOR
23 IMAGE MEMORY
24 IMAGE PROCESSOR
25 IMAGE FORMING DEVICE
14 IMAGE OUTPUT DEVICE
26 USER AUTHENTICATION DEVICE
27 USER ACCOUNT ADMINISTRATOR

FIG. 2

100

	USER ACCOUNT	FUNCTION MODE	PAGE SIZE	COUNT	JOB PARAMETER				
					ONE-SIDE/DUPLEX	COPY DENSITY	MAGNIFICATION	PAPER	ORIGINAL IMAGE QUALITY
101	taroh		A		ONE-SIDE→ONE-SIDE	5	1	A	CHARACTER
	taroh	Fax	A		ONE-SIDE	3	1	A	CHARACTER
	jiroh	Scanner	A		ONE-SIDE	5	1.2	A	PHOTOGRAPH
	jiroh	Printer	A		ONE-SIDE→ONE-SIDE	5	1.5	A	CHARACTER/PHOTOGRAPH
	saburoh	Scanner	A		ONE-SIDE	5	2	A	PHOTOGRAPH
	taroh	Scanner	B		ONE-SIDE	5	0.8	A	CHARACTER
102	taroh		A4R	243	ONE-SIDE→ONE-SIDE	3	1	A4R	CHARACTER
103	taroh		A4R	223	DUPLEX→DUPLEX	3	1	A4R	PHOTOGRAPH
	taroh	Fax	A	244	ONE-SIDE	4	1	A	PHOTOGRAPH
	jiroh		A	165	ONE-SIDE→DUPLEX	5	0.8	A	CHARACTER/PHOTOGRAPH
	jiroh		A4R		ONE-SIDE→ONE-SIDE	5	1.5	A4R	PHOTOGRAPH
	saburoh	Fax	A	5	ONE-SIDE	5	2	A	PHOTOGRAPH
	saburoh		A	300	ONE-SIDE→ONE-SIDE	6	1	A	PHOTOGRAPH

FIG. 3

49

SIMILAR SIZE / DETECTED SIZE	A4	A4R	B5	B5R	A5	A5R	B6	8.5×11	8.5×11R
A4		○	×	×	×	×	×	○	○
A4R	○		×	×	×	×	×	○	○
B5	×	×		○	×	×	×	×	×
B5R	×	×	○		×	×	×	×	×
A5	×	×	×	×		○	×	×	×
A5R	×	×	×	×	○		×	×	×
B6	×	×	×	×	×	×		×	×
8.5×11	○	○	×	×	×	×	×		○
8.5×11R	○	○	×	×	×	×	×	○	

FIG. 4

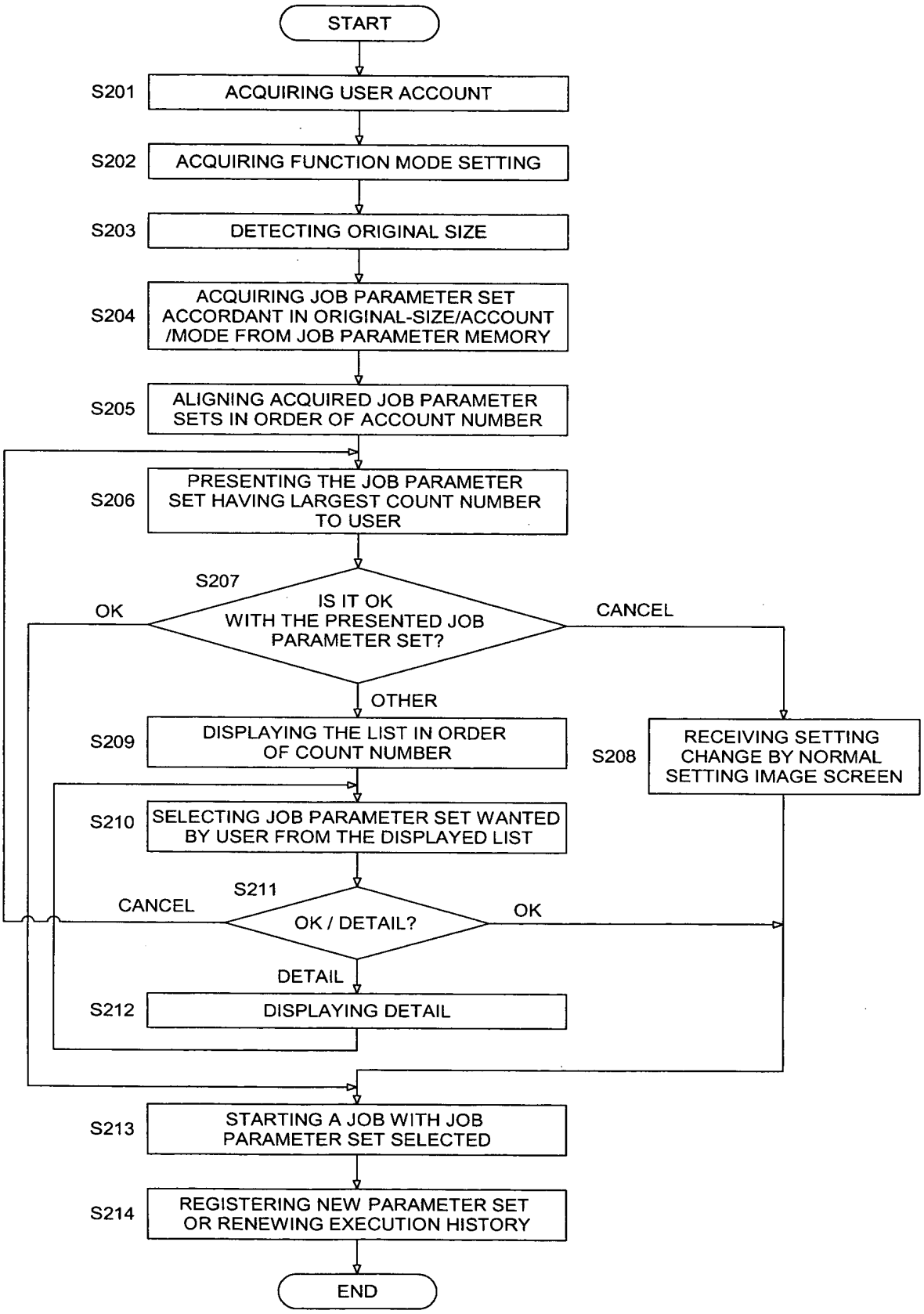

START
S201
ACQUIRING USER ACCOUNT
S202
ACQUIRING FUNCTION MODE SETTING
S203
DETECTING ORIGINAL SIZE
S204
ACQUIRING JOB PARAMETER SET ACCORDANT IN ORIGINAL-SIZE/ACCOUNT /MODE FROM JOB PARAMETER MEMORY
S205
ALIGNING ACQUIRED JOB PARAMETER SETS IN ORDER OF ACCOUNT NUMBER
S206
PRESENTING THE JOB PARAMETER SET HAVING LARGEST COUNT NUMBER TO USER
S207
IS IT OK WITH THE PRESENTED JOB PARAMETER SET?
OK
CANCEL
OTHER
S209
DISPLAYING THE LIST IN ORDER OF COUNT NUMBER
S208
RECEIVING SETTING CHANGE BY NORMAL SETTING IMAGE SCREEN
S210
SELECTING JOB PARAMETER SET WANTED BY USER FROM THE DISPLAYED LIST
S211
OK / DETAIL?
CANCEL
OK
DETAIL
S212
DISPLAYING DETAIL
S213
STARTING A JOB WITH JOB PARAMETER SET SELECTED
S214
REGISTERING NEW PARAMETER SET OR RENEWING EXECUTION HISTORY
END

FIG. 5

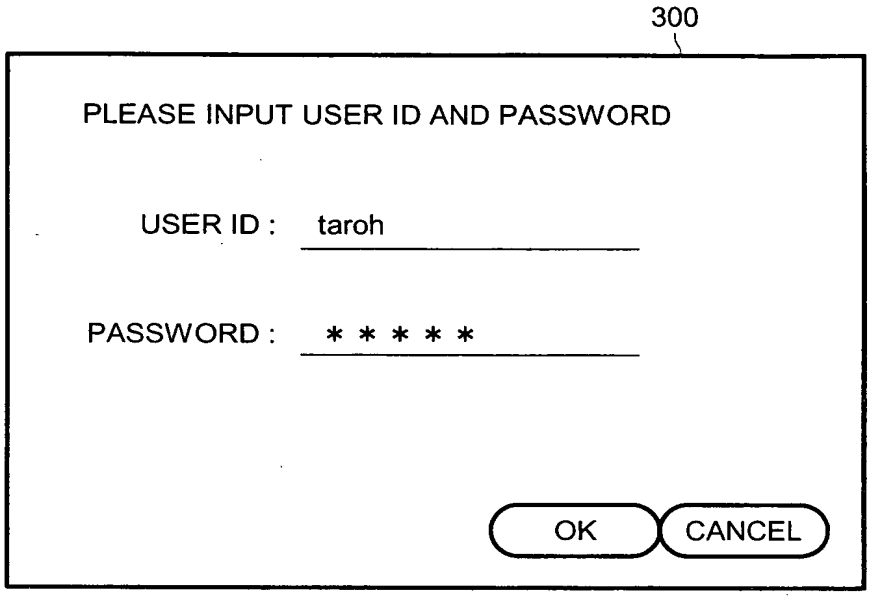

300
PLEASE INPUT USER ID AND PASSWORD
USER ID : taroh
PASSWORD : * * * * *
OK
CANCEL

FIG. 6

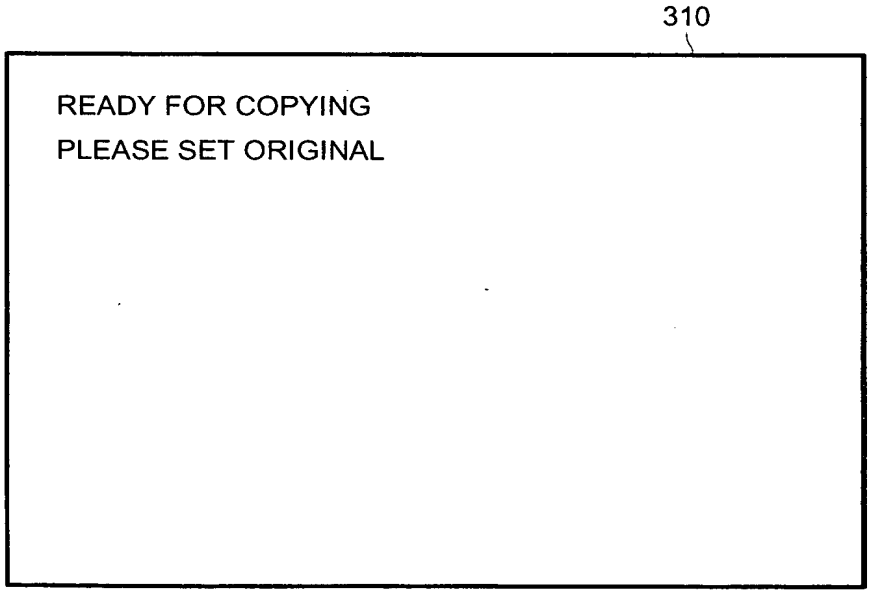

310
READY FOR COPYING
PLEASE SET ORIGINAL

FIG. 7

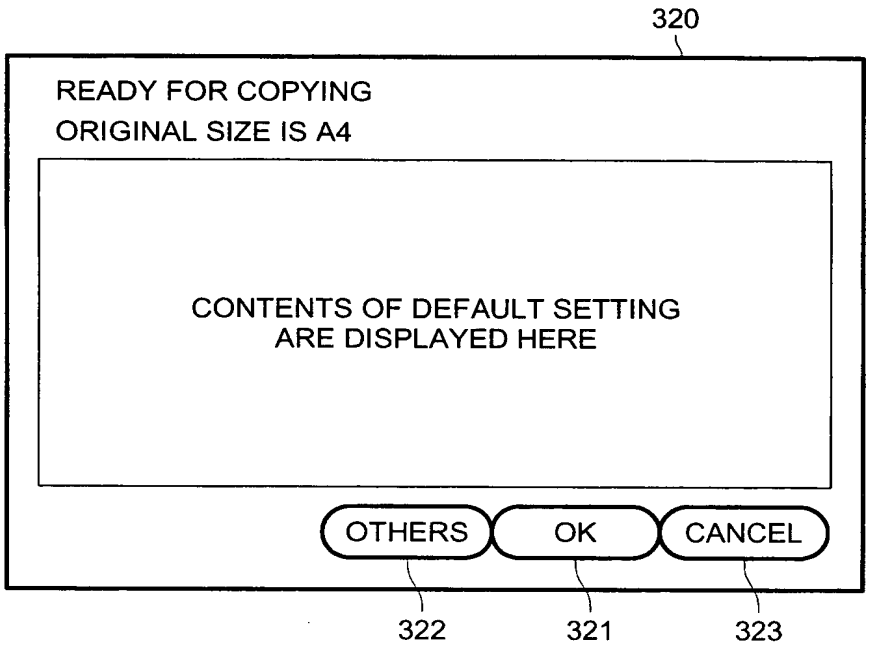

320
READY FOR COPYING
ORIGINAL SIZE IS A4
CONTENTS OF DEFAULT SETTING
ARE DISPLAYED HERE
OTHERS
OK
CANCEL
322
321
323

FIG. 8

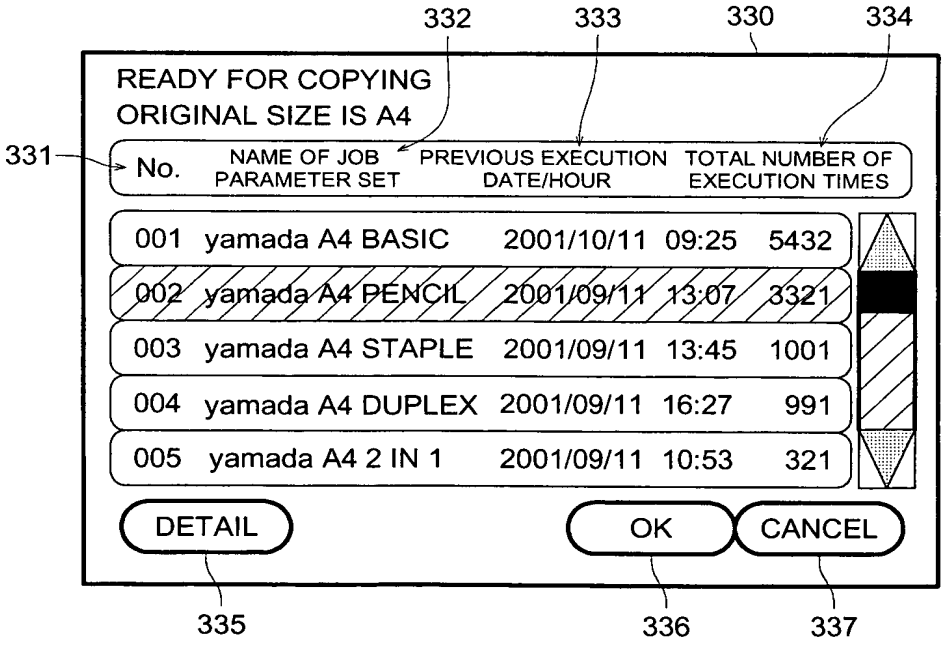

332
333
330
334
READY FOR COPYING
ORIGINAL SIZE IS A4
331
No.
NAME OF JOB PARAMETER SET
PREVIOUS EXECUTION DATE/HOUR
TOTAL NUMBER OF EXECUTION TIMES
001 yamada A4 BASIC 2001/10/11 09:25 5432
002 yamada A4 PENCIL 2001/09/11 13:07 3321
003 yamada A4 STAPLE 2001/09/11 13:45 1001
004 yamada A4 DUPLEX 2001/09/11 16:27 991
005 yamada A4 2 IN 1 2001/09/11 10:53 321
DETAIL
OK
CANCEL
335
336
337

FIG. 9

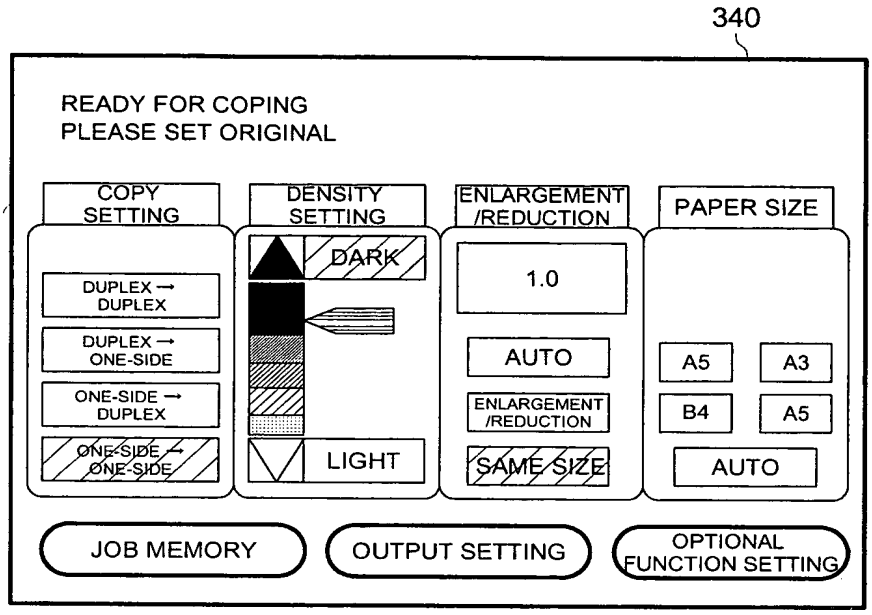

340
READY FOR COPING
PLEASE SET ORIGINAL
COPY SETTING
DENSITY SETTING
ENLARGEMENT /REDUCTION
PAPER SIZE
DUPLEX → DUPLEX
DUPLEX → ONE-SIDE
ONE-SIDE → DUPLEX
ONE-SIDE → ONE-SIDE
DARK
LIGHT
1.0
AUTO
ENLARGEMENT /REDUCTION
SAME SIZE
A5
A3
B4
A5
AUTO
JOB MEMORY
OUTPUT SETTING
OPTIONAL FUNCTION SETTING

FIG. 10

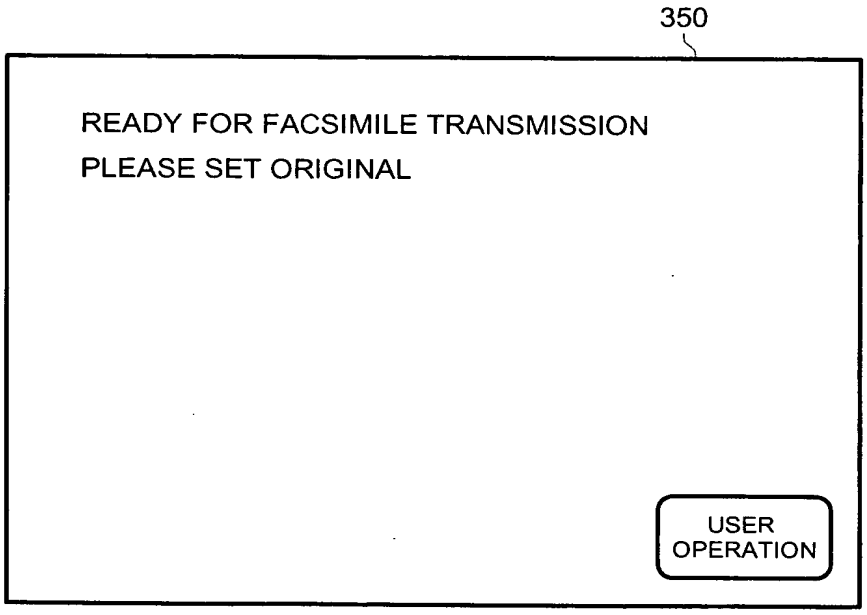

350
READY FOR FACSIMILE TRANSMISSION
PLEASE SET ORIGINAL
USER OPERATION

FIG. 11

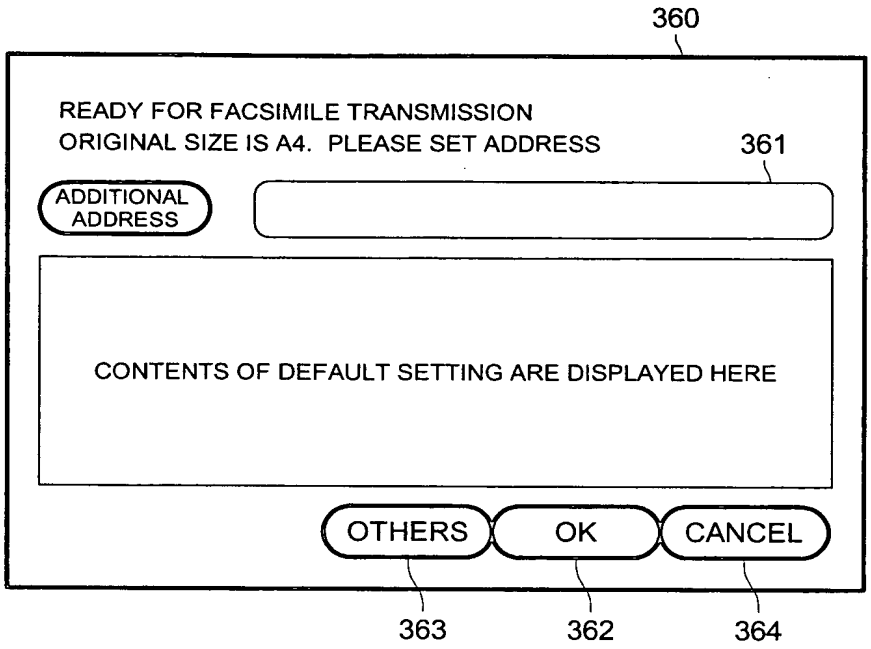

360
READY FOR FACSIMILE TRANSMISSION
ORIGINAL SIZE IS A4. PLEASE SET ADDRESS
361
ADDITIONAL ADDRESS
CONTENTS OF DEFAULT SETTING ARE DISPLAYED HERE
OTHERS
OK
CANCEL
363
362
364

FIG. 12

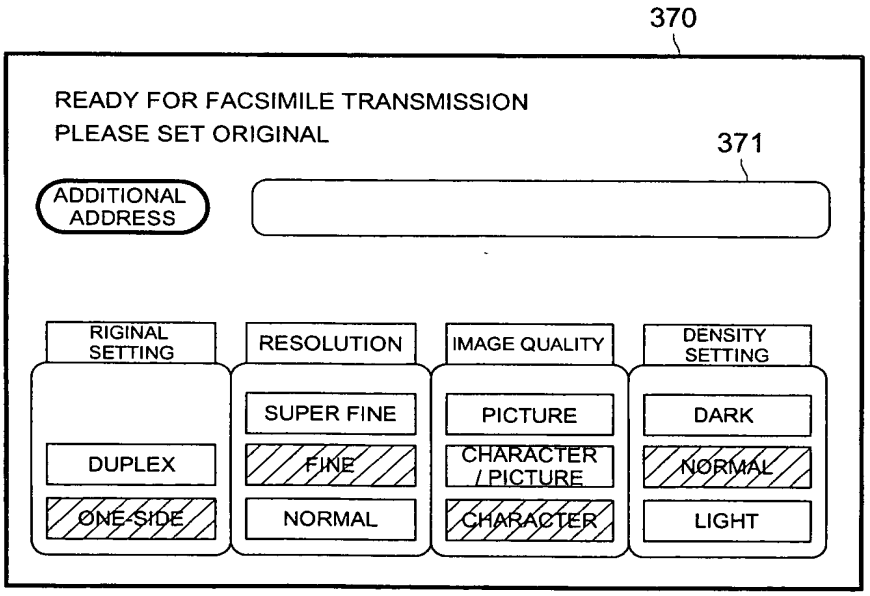

370
READY FOR FACSIMILE TRANSMISSION
PLEASE SET ORIGINAL
371
ADDITIONAL ADDRESS
RIGINAL SETTING
RESOLUTION
IMAGE QUALITY
DENSITY SETTING
DUPLEX
ONE-SIDE
SUPER FINE
FINE
NORMAL
PICTURE
CHARACTER / PICTURE
CHARACTER
DARK
NORMAL
LIGHT

FIG. 13

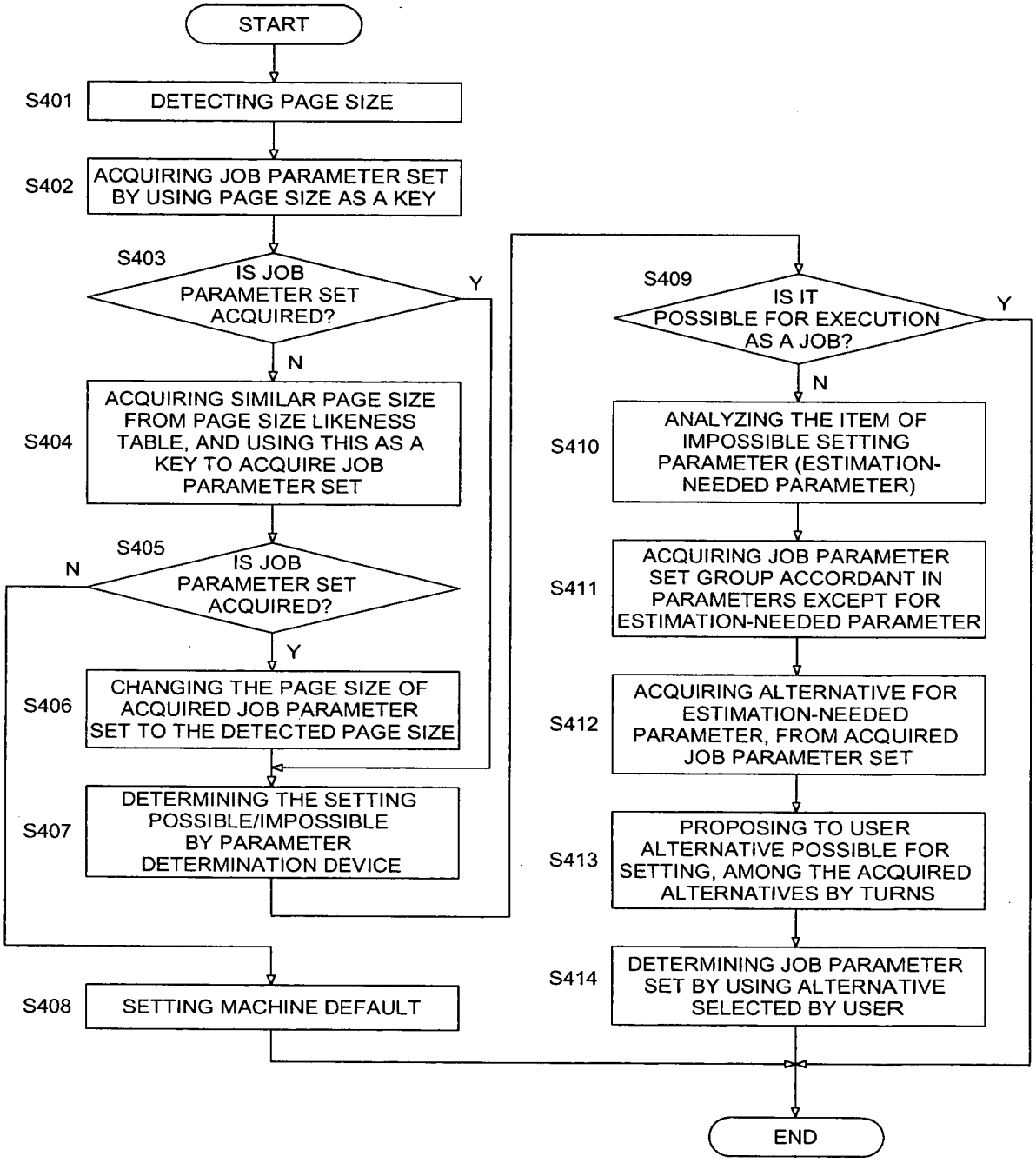
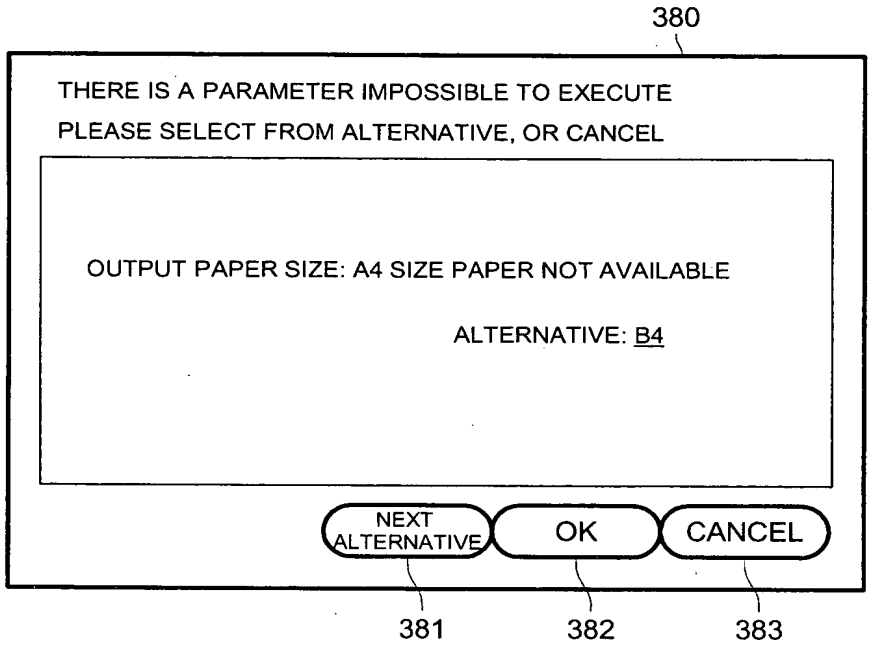

START
S401
DETECTING PAGE SIZE
S402
ACQUIRING JOB PARAMETER SET BY USING PAGE SIZE AS A KEY
S403
IS JOB PARAMETER SET ACQUIRED?
Y
N
S404
ACQUIRING SIMILAR PAGE SIZE FROM PAGE SIZE LIKENESS TABLE, AND USING THIS AS A KEY TO ACQUIRE JOB PARAMETER SET
S405
IS JOB PARAMETER SET ACQUIRED?
N
Y
S406
CHANGING THE PAGE SIZE OF ACQUIRED JOB PARAMETER SET TO THE DETECTED PAGE SIZE
S407
DETERMINING THE SETTING POSSIBLE/IMPOSSIBLE BY PARAMETER DETERMINATION DEVICE
S408
SETTING MACHINE DEFAULT
S409
IS IT POSSIBLE FOR EXECUTION AS A JOB?
Y
N
S410
ANALYZING THE ITEM OF IMPOSSIBLE SETTING PARAMETER (ESTIMATION-NEEDED PARAMETER)
S411
ACQUIRING JOB PARAMETER SET GROUP ACCORDANT IN PARAMETERS EXCEPT FOR ESTIMATION-NEEDED PARAMETER
S412
ACQUIRING ALTERNATIVE FOR ESTIMATION-NEEDED PARAMETER, FROM ACQUIRED JOB PARAMETER SET
S413
PROPOSING TO USER ALTERNATIVE POSSIBLE FOR SETTING, AMONG THE ACQUIRED ALTERNATIVES BY TURNS
S414
DETERMINING JOB PARAMETER SET BY USING ALTERNATIVE SELECTED BY USER
END

FIG. 14


380
THERE IS A PARAMETER IMPOSSIBLE TO EXECUTE
PLEASE SELECT FROM ALTERNATIVE, OR CANCEL
OUTPUT PAPER SIZE: A4 SIZE PAPER NOT AVAILABLE
ALTERNATIVE: B4
NEXT ALTERNATIVE
OK
CANCEL
381
382
383